Table S1. *cam-1* genetically interacts with known regulators of vulval induction

Relevant genotype*	Average no. of VPCs induced	*n*	*P* value†
bar-1(ga80)	1.50±0.29	50	
cam-1(gm122); bar-1(ga80)	1.45±0.13	52	Not sig.‡
lin-3(e1417)	0.28±0.16	20	
cam-1(gm122); lin-3(e1417)	0.76±0.20	21	0.04§
lin-3(n378)	0.78±0.19	32	
cam-1(gm122); lin-3(n378)	1.68±0.23	20	0.007§
cam-1(gm122)	3.01±0.01	55	
cam-1(gm122); ark-1(sy247)	3.00±0.00	21	Not sig.¶
cam-1(gm122); sli-1(sy143)	3.05±0.03	22	Not sig.¶
cam-1(gm122); gap-1(n1691)	3.05±0.05	22	Not sig.¶
lin-17(n671); gap-1(n1691)	3.00±0.00	22	Not sig.**
lin-12(n952/+)	0.87±0.14	63	
cam-1(gm122); lin-12(n952/+)	1.85±0.24	34	0.001††
lin-17(n671); cam-1(gm122); daf-3(mgDf90)	3.14±0.08	21	Not sig.‡‡

Worms were grown and scored 20°C. Induced values are mean±s.e.m.

**gap-1(n1691)* linked to *unc-2(e55)*, *ark-1(sy247)* linked to *dpy-20(e1282). cam-1(gm122); lin-12(n952)* male worms were crossed into *cam-1(gm122); rol-6(e187)* and non-roller F1s were scored.

†*P* values were calculated using Mann-Whitney two-tailed test. *P*<0.05 considered significant.

‡Compared with *bar-1(ga80)* alone; §compared with *lin-3(rf)* alone; ¶compared with *cam-1(gm122)* alone; **compared with *lin-17(n671)* alone; ††compared with *lin-12(n952/+)*; ‡‡compared with *cam-1(gm122); lin-17(n671)*.

Table S2. Contribution of Wnt receptors MOM-5, LIN-17 and LIN-18 to vulval induction

Genotype	% OI*	% UI†	Average no. of VPCs induced	*n*
+	0	0	3	Many
lin-17(n671)	0	0	3±0.00	113
lin-18(e620)	0	0	3±0.00	113
lin-17(n671); lin-18(e620)	2	0	3.02±0.02§	51
syIs75[LIN-18::GFP]	0	13	2.97±0.02	53
cwn-1(ok546)	0	13	2.87±0.04	62
cwn-1(ok546); syIs75[LIN-18::GFP]	0	21	2.68±0.11¶	53
syEx1022[LIN-17::GFP]	0	0	3.00±0.00	53
cwn-1(ok546); syEx1022[LIN-17::GFP]	0	28	2.72±0.09	25
syEx1020[Pmyo-3::LIN-17::GFP]	0	3	2.99±0.01	39
cwn-1(ok546); syEx1020[Pmyo-3::LIN-17::GFP]	0	15	2.85±0.08	20
lin-17(n671)-DE‡	2	0	3.04±0.04**	51
lin-17(n671)-DE‡*; cam-1(gm122)*	10	2	3.07±0.05	50
mom-5(zu193)	0	49	2.52±0.07††	51
mom-5(zu193)-DE‡	2	39	2.63±0.07††	56
mom-5(or57)	0	67	2.26±0.08††	52
lin-17(n677)	5	0	3.05±0.05	22
lin-17(n677); cam-1(gm122)	18	0	3.11±0.06	22
mig-1(e1787); lin-17(n671)	5	0	3.02±0.02	23
lin-17(n671); cfz-2(ok1201)	5	0	3.02±0.03	22
lin-17(n671); cwn-1(ok546)	0	7	2.93±0.03	58

Worms were grown and scored at 20°C. Induced values are mean±s.e.m.

*Overinduced animals are those with greater than three VPCs induced.

†Underinduced animals are those with less than 3 VPCs induced.

‡These strains were obtained from the Eisenmann laboratory and were compared to strains from the Sternberg laboratory.

§1/51 *lin-17(n671); lin-18(e620)* double-mutant worms had 4 VPCs induced (see Fig. S1 in the supplementary material).

¶*syIs75* increased the fraction of *cwn-1(lf)* worms that had a more severe UI phenotype (less than 2 VPCs induced), P=0.04.

**1/51 *lin-17(n671)-DE* worms had 5 VPCs induced (see Fig. S1).

††*mom-5* mutant worms frequently had only 2 VPCs induced (see Fig. S1).

Table S3. Binding assay raw data

CRD-AP	LIN-44	CWN-1	EGL-20	CWN-2	MOM-2	S2
MIG-1	0.177	0.163	0.236	0.158	0.205	0.169
	0.208	0.211	0.259	0.224	0.236	0.214
	0.233	0.181	0.199	0.210	0.260	
Mean	**0.206**	**0.185**	**0.231**	**0.197**	**0.234**	**0.192**
LIN-17	0.166	0.158	0.193	0.218	0.151	0.172
	0.193	0.141	0.197	0.196	0.182	0.167
	0.257	0.210	0.236	0.211	0.143	0.141
Mean	**0.205**	**0.170**	**0.209**	**0.208**	**0.159**	**0.160**
MOM-5	0.159	0.177	0.167	0.203	0.167	0.145
	0.148	0.287	0.174	0.151	0.185	0.179
	0.153	0.195	0.177	0.152	0.159	
Mean	**0.153**	**0.220**	**0.173**	**0.169**	**0.170**	**0.162**
CAM-1	0.255	0.385	0.387	0.254	0.375	0.301
	0.276	0.370	0.421	0.263	0.382	0.206
	0.482	0.350	0.433	0.287	0.307	0.321
Mean	**0.338**	**0.368**	**0.414**	**0.268**	**0.355**	**0.276**
CFZ-2	0.139	0.196	0.232	0.201	0.209	0.195
	0.166	0.192	0.200	0.187	0.198	0.129
	0.202	0.180	0.187	0.167	0.164	
Mean	**0.169**	**0.189**	**0.206**	**0.185**	**0.190**	**0.162**
LIN-18	0.089	0.091	0.098	0.088	0.095	0.102
	0.093	0.092	0.097	0.109	0.099	0.089
		0.125	0.090	0.087	0.093	0.101
Mean	**0.091**	**0.103**	**0.095**	**0.095**	**0.096**	**0.097**

Table lists 405 nm absorbance values after incubation of CRD-AP supernatant with the chromogenic substrate p-nitrophenyl phosphate (see Materials and methods for details).